

Arizona's College and Career Ready Standards – Mathematics

Phase 1, 2, 3 Checklist

The purpose of this checklist is to define the criteria used for professional development in each phase of AZCCRS implementation. The checklist can be used to assist in the planning of necessary topics to be addressed within each phase. The checklist can also be used as a reflective tool to ensure that each phase of professional development has been, or will be addressed adequately.

Phase 1 – Knowledge. Phase 1 Mathematics trainings focus on overall awareness, deconstruction of the standards, and an introduction to the major shifts.

AZCCRS – Content – Mathematics	Support Resources & Documents
<input type="checkbox"/> Introduces the three major shifts associated with the AZCCRS-Mathematics.	<input type="checkbox"/> Examines the architecture and content of the AZCCRS Crosswalk and Summary of Changes Documents.
<input type="checkbox"/> Examines the architecture of a grade level and/or set of grade levels of the AZCCRS-M.	<input type="checkbox"/> Examines the progressions documents for multiple domains.
<input type="checkbox"/> Explores the Standards for Mathematical Practice specific to a grade level and/or set of grade levels.	<input type="checkbox"/> Examines PARCC Model Content Framework documents including introduction, supporting pages, and grade level specific documents.
<input type="checkbox"/> Explores unwrapping of the AZCCRS-Mathematics by cluster and specific standards.	<input type="checkbox"/> Examines online support documents from credible sources regarding the AZCCRS-Mathematics including the Standards for Mathematical Practice.
<input type="checkbox"/> Explores cognitive demand and the importance of examining the rigor of individual standards in the AZCCRS-Mathematics.	<input type="checkbox"/> Explores AZCCRS assessment timelines and additional support documents.
<input type="checkbox"/> Considers implications of the AZCCRS-Mathematics on instruction.	<input type="checkbox"/> Examines supplemental texts on rigor, instructional shifts, instructional strategies

Phase 2 – Application. Phase 2 Mathematics trainings focus on content knowledge, application in the classroom, and pedagogy aligned to the rigor and expectations of the standards. Areas of content and pedagogy correlate to specific dimensions on the EQuIP rubric.

AZCCRS – Content – Mathematics		Pedagogy	
<input type="checkbox"/> Grade level AZCCRS-MATH Standards for teaching and learning. (Required for every Phase 2 Content Training)	<input type="checkbox"/> Shift 1: Focus strongly where the standards focus.	<input type="checkbox"/> Engagement strategies (i.e., modeling, questioning)	<input type="checkbox"/> Support procedural skill, fluency and mathematical procedures through conceptual understanding.
<input type="checkbox"/> Standards for Mathematical Practice.	<input type="checkbox"/> Shift 2: Coherence : Think across grades, and link to major topics within grades	<input type="checkbox"/> Precision in mathematics (i.e., mathematical language, accuracy, representations)	<input type="checkbox"/> Technology and media
<input type="checkbox"/> Balance of mathematical procedures and deeper conceptual understanding.	<input type="checkbox"/> Shift 3: Rigor : In major topics pursue conceptual understanding, procedural skill and fluency, and application with equal intensity	<input type="checkbox"/> Instructional support	<input type="checkbox"/> Demonstrates an effective sequence and progression of learning for the targeted content.
<input type="checkbox"/> Disciplinary Literacy including reading, writing, and vocabulary in Mathematics.	<input type="checkbox"/> Resource development (i.e. lessons, units, curriculum maps)	<input type="checkbox"/> Targeted instructional strategies supporting mathematical practices	<input type="checkbox"/> Strategies supporting formative and summative assessments

Phase 3 – Integration. Phase 3 Mathematics trainings focus on integrating/embedding the AZCCRS-Mathematics into other content areas and programs.

AZCCRS Integrated/Embedded within other Content Areas	Within Special Programs	
<input type="checkbox"/> STEM	<input type="checkbox"/> ELL	
<input type="checkbox"/> RTI / Differentiated Instruction	<input type="checkbox"/> Special Education	
<input type="checkbox"/> Other required/elective content	<input type="checkbox"/> Gifted and/or Condensed/Accelerated instructional sequences (middle school)	
<input type="checkbox"/> Project-Based Learning	<input type="checkbox"/> Teacher and Principal Evaluation Systems	
<input type="checkbox"/> Educational Technology	<input type="checkbox"/> Title I, II, III	<input type="checkbox"/> Career and Technical Education (CTE)
<input type="checkbox"/> Formative Assessment Development/Data Analysis	<input type="checkbox"/> IHE and Pre-service Programs	<input type="checkbox"/> Early Education